IN THE CLAIMS:

The following listing of the claims replaces all earlier listings and all earlier versions.

1. (Previously Presented) An image processing apparatus comprising:

rendering means for rendering data in a first color space and data in a second color space; and

a plurality of image forming means for forming images in units of colors of the rendered image data,

wherein said rendering means performs band mapping of data if band mapping is possible, and

wherein, when band mapping is impossible in said rendering means, said apparatus informs a host computer to which said apparatus is connected that the band mapping is impossible.

2. (Original) The apparatus according to claim 1, wherein the first and second color spaces are respectively RGB and YMCK spaces.

3. (Original) The apparatus according to claim 1, wherein the plurality of image forming means form Y, M, C, and K images.

4. (Previously Presented) The apparatus according to claim 1, further comprising conversion means for converting the data in the first color space into data in the second color space,

wherein said image forming means forms an image based on one of data rendered in the second color space by said rendering means and data converted by said conversion means.

5. and 6. (Canceled).

7. (Previously Presented) The apparatus according to claim 1, wherein when the band mapping is impossible in said rendering means, said apparatus processes data to have a format with which the band mapping is possible.

8. (Original) The apparatus according to claim 1, wherein said rendering means simultaneously renders a plurality of color data upon rendering data in the first color space, and renders a plurality of color data in turn upon rendering image data in the second color space.

9. (Original) The apparatus according to claim 1, wherein image formation using data in the second color space assures higher quality than image formation using data in the first color space.

10. (Previously Presented) An image processing method comprising the steps of:

rendering data in a first color space and data in a second color space; and

forming images of the rendered image data in units of colors,

wherein said rendering step includes performing band mapping of data if band mapping is possible, and

wherein, when band mapping is impossible in said rendering step, notification is sent to a host computer to which an apparatus performing said method is connected, the notification stating that the band mapping is impossible.

11. (Previously Presented) A storage medium storing a program which comprising:

a code of a step of rendering data in a first color space and data in a second color space; and

a code of a step of forming images of the rendered image data in units of colors,

wherein said rendering step includes performing band mapping of data if band mapping is possible, and

wherein, when band mapping is impossible in said rendering step, notification is sent to a host computer to which an apparatus performing said method is connected, the notification stating that the band mapping is impossible.

12. - 30. (Canceled).

31. (Previously Presented) An image processing apparatus capable of forming an image based on image data in RGB or YMCK format transmitted from an information processing apparatus, said image processing apparatus comprising:

holding means for holding the image data transmitted;

rendering means for acquiring the image data held in said holding means in units of colors by accessing said holding means via a bus, and generating rendering data;

image forming means for forming an image in units of colors based on the rendering data; and

determining means for, when a format of the image data is RGB format, predicting the rendering time for generating the rendering data in the RGB format based on the load of bus for acquiring the image data in the RGB format in units of colors, and determining whether or not it is possible to generate the rendering data,

wherein, if it is determined by said determining means that it is not possible to generate the rendering data, an image in YMCK format is formed by demanding that the information processing apparatus transmits image data in YMCK format.

32. (Previously Presented) The apparatus according to claim 31, further comprising converting means for converting the rendering data in RGB format into a rendering data in YMCK format,

wherein said image forming means forms an image, in units of colors, based on the rendering data in YMCK format generated by said rendering means or the rendering data in YMCK format converted by said converting means.

33. (Currently Amended) image processing apparatus comprising:

first rendering means for rendering data in a first color space and ~~data in a second color space; and~~ generating a plurality of images;

second rendering means for rendering data in a second color space and generating a plurality of images;

conversion means for converting the plurality of images generated by said first rendering means into a plurality of images in the second color space; and

a plurality of image forming means for forming ~~images in units of color of the rendered image data~~ the plurality of images converted by said conversion means or the plurality of images generated by said second rendering means,

wherein each of said plurality of image forming means forms ~~images~~ an image by a predetermined time difference according to the physical position of each of said plurality of image forming means.

34. (Currently Amended) The apparatus according to claim 33, wherein the data in the first and second color spaces are ~~respectively RGB and YMCK spaces~~ transmitted from a host computer.

35. (Canceled).

36. (Currently Amended) The apparatus according to claim 33, wherein said first and second rendering means ~~renders~~ render the data in [[a]] the first color space [[and]] or the data in [[a]] the second color space which is mapped into a display list.

37. (Currently Amended) An image processing method comprising:

a first rendering step, of rendering data in a first color space and ~~data in a second color space; and~~ generating a plurality of images;

a second rendering step, of rendering data in a second color space and generating a plurality of images;

a conversion step, of converting the plurality of images generated in said first rendering step into a plurality of images in the second color space; and

a plurality of image forming steps, of forming ~~images in units of colors of the rendered image data~~ the plurality of images converted in said conversion step or the plurality of images generated in said second rendering step,

wherein each of said plurality of image forming steps includes forming an image by a predetermined time difference according to the physical position of each of a plurality of image forming means for forming ~~images in units if colors of the rendered image data~~ the plurality of images converted in said conversion step or the plurality of images generated in said second rendering step.